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(54) Title: TREATING BENIGN PROSTATE HYPERPLASIA WITH SARMs

(57) **Abstract:** This invention provides a method of treating, preventing, suppressing, inhibiting or reducing the incidence of benign prostate hyperplasia in a male subject, by administering to the subject a selective androgen receptor modulator(SARM) and/or its analog, derivative, isomer, metabolite, pharmaceutically acceptable salt, pharmaceutical product, hydrate, N-oxide, or any combination thereof as described herein. This invention also provides a method of treating a subject suffering from hair loss, comprising the step of administering to the subject a therapeutically effective amount of a 5-a reductase enzyme type 1 and /or type 2 inhibitor, wherein said inhibitor is a selective androgen receptor modulator (SARM) and/or its analog, derivative, isomer, metabolite, pharmaceutically acceptable salt, pharmaceutical product, hydrate, Woxide, or any combination thereof as described herein. This invention also provides a method of inhibiting a 5-a reductase type 1 and/or type 2 enzyme, comprising contacting the enzyme with an effective 5-a reductase inhibitory amount of a selective androgen receptor modulator (SARM) and/or its analog, derivative, isomer, metabolite, pharmaceutically acceptable salt, pharmaceutical product, hydrate, N-oxide, or any combination thereof, as described herein.

**INTERNATIONAL SEARCH REPORT**

International application No.

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**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : A61K 31/32, 31/16, 31/165  
US CL : 514/493, 616, 619

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
U.S. : 514/493, 616, 619

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
CAPLUS, USPATFULL, PCTFULL, WPIDS

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 98/55153 A1 (THE UNIVERSITY OF TENNESSEE RESEARCH CORPORATION) 10 December 1998 (10.12.1998), abstract, page 1-3 and 9-10, claims 16-21.	1-59
Y	WO 98/53826 A1 (THE UNIVERSITY OF TENNESSEE RESEARCH CORPORATION) 03 December 1998 (03.12.1998), abstract, page 1-14 and claims 14-30.	1-59

<input type="checkbox"/>	Further documents are listed in the continuation of Box C.	<input type="checkbox"/>	See patent family annex.
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"A"	document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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